

Applicants : Philip Livingston and Friedhelm Helling
Serial No. : 08/196,154
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Please add the following claims:

- Sub D' >
- 69. (New) A composition comprising a GM2 or GD2 ganglioside conjugated through the ceramide portion of the ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier.--
- 70. (New) The composition of claim 69, wherein the ganglioside is GM2.--
- 71. (New) The composition of claim 69, wherein the ganglioside is GD2.--
- 72. (New) The composition of claim 69, wherein the ganglioside is conjugated to Keyhole Limpet Hemocyanin.--
- 73. (New) The composition of claim 69, wherein the carbohydrate is QS-21.--
- 74. (New) The composition of claim 69, wherein the amount of the conjugated ganglioside is an amount between about 1 μg and about 200 μg .--
- 75. (New) The composition of claim 74, wherein the amount of the conjugated ganglioside is an amount between about 10 μg and about 90 μg .--
- 76. (New) The composition of claim 75, wherein the amount of the conjugated ganglioside is an amount between about 35

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μg and about 70 μg .--

- 77. (New) The composition of claim 69, wherein the amount of the carbohydrate is an amount between about 10 μg and about 100 μg .--
- 78. (New) The composition of claim 77, wherein the amount of the carbohydrate is about 100 μg .--
- 79. (New) The composition of claim 69, wherein the molar ratio of the GM2 or GD2 ganglioside conjugated to the Key Hole Limpet or a derivative thereof is between about 200 and about 1400.--
- 80. (New) A method of stimulating or enhancing antibody production in a subject which comprises administering to the subject an effective amount of a composition comprising a GM2 or GD2 ganglioside conjugated through the ceramide portion of the ganglioside to Keyhole Limpet Hemocyanin or a derivative thereof and a carbohydrate derivable from the bark of a Quillaja saponaria Molina tree, the amounts of such conjugated ganglioside and such carbohydrate being effective to stimulate or enhance antibody production in a subject, and a pharmaceutically acceptable carrier.--
- 81. (New) A method of preventing or treating a cancer in a subject which comprises administering to the subject an effective cancer preventing or treating amount of the composition of claim 69.--
- 82. The method of claim 81, wherein the cancer is of epithelial origin.--